

**STATEMENT OF WORK FOR
RESIDENTIAL QUARTERLY AND ANNUAL PREVENTIVE
MAINTENANCE SERVICE CONTRACT**

Split Unit Air-Conditioning

at

Residences belonging

to

**United States Embassy
Kuala Lumpur**

June 2020

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Attachments:

Exhibit A – Statement of Work

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1. DESCRIPTION

The American Embassy in Kuala Lumpur requires residential preventive maintenance services for Split Unit Air-Conditioning. These services shall result in all systems being serviced under this agreement being in good operational condition when activated. If this work is to be performed on systems accessing the PCC/CAA areas of the building. Please see section 6.3 for security requirements.

1.1. Type of Contract

This is a firm fixed price contract payable entirely in **Ringgit Malaysia**. Prices for all Contract Line Item Numbers (CLIN) shall include proper disposal of toxic substances as per Item 8.4 where applicable. No additional sums will be payable for any escalation in the cost of materials, equipment or labor, or because of the contractor's failure to properly estimate or accurately predict the cost or difficulty of achieving the results required. The contract price will not be adjusted due to fluctuations in currency exchange rates.

2. PRICING

The rates below include all costs associated with providing preventive maintenance services in accordance with the attached scope of work, and the manufacturer's warranty including materials, labor, insurance (see FAR 52.228-4 and 52.228-5), overhead, profit and GST (if applicable).

2.1. Base /OneYear. The Contractor shall provide the services shown below for the base period of the contract and continuing for a period of 12 months.

| 2.2 | PRICE (RM) | | | PRICE (RM) | | |
|-------------------------|---------------------------|-----|--|----------------|-----|--|
| Property | Quarterly Service Charges | | | Annual Charges | | |
| 9 Langgak Golf (CMR) | | X 3 | | | X 1 | |
| 1 Taman Uthant 2 (DCR) | | X 3 | | | X 1 | |
| 4 Uthant Club House | | X 3 | | | X 1 | |
| MSGQ | | X 3 | | | X 1 | |
| 8 Gerbang Ampang Hilir | | X 3 | | | X 1 | |
| 10 Gerbang Ampang Hilir | | X 3 | | | X 1 | |
| 9A Clover Close | | X 3 | | | X 1 | |
| 9B Clover Close | | X 3 | | | X 1 | |
| 9C Clover Close | | X 3 | | | X 1 | |
| 9D Clover Close | | X 3 | | | X 1 | |
| Selayang Warehouse | | X 3 | | | X 1 | |
| TOTAL | | | | TOTAL | | |

2.3 Repair option. Repairs are NOT included under this agreement (see 7.1.3) and are to be done outside this contract. However, the Government desires current labor rates in the event that there is an issue discovered during the residential preventive maintenance of the specified equipment. Please provide your current labor rates in the Repair Option fields below. As stated in 7.1.3 any necessary repairs or parts will be submitted for approval and then billed against a separate PO. The Contractor is not approved to do any additional work without specific authorization from the Contracting Officer.

Repair Labor Rates
Base Year RM/hr _____

3. PERIOD OF PERFORMANCE

The contract will be for a period of one-year and will be expected to commence no later than **October 01, 2020.**

4. EQUIPMENT AND PERFORMANCE REQUIREMENTS

4.1. The American Embassy in Kuala Lumpur requires the Contractor to maintain the following equipment in a safe, reliable and efficient operating condition. Please see equipment list included in Exhibit B for a more detailed description.

1. Equipment Description [List of equipment specifications such as, manufacturer, make, model, location are attached in Exhibit B]

4.2. The Contractor shall provide all necessary managerial, administrative and direct labor personnel, as well as all transportation, equipment, tools, supplies and materials required to perform inspection, maintenance, and component replacement as required to maintain the systems in accordance with this work statement. Under this Contract the Contractor shall provide:

- The services of trained and qualified technicians to inspect, adjust, and perform scheduled preventive maintenance.

4.3. Performance Standards

The air handling units shall be clean and in good operating condition upon completion of the service. The preventive maintenance service shall result in the parts of the system serviced being in a condition to operate efficiently and effectively.

5. HOURS OF PERFORMANCE

5.1. The Contractor shall maintain work schedules. The schedules shall take into consideration the hours that the staff can effectively perform their services without placing a burden on the security personnel of the Post. The Contractor shall deliver standard services between the hours of 8:00AM and 4:30 PM Monday through Friday. No work shall be performed on US Government and local holidays. Below is a list of the holidays.

| Date | Holiday | US/Local |
|--------|-------------------------------------|----------|
| Jan 01 | New Year's Day | Am |
| Jan 16 | Birthday of Martin Luther King, Jr. | Am |
| Feb 18 | President's Day | Am |
| May 27 | Memorial Day | Am |
| Jul 04 | Independence Day | Am |
| Sep 02 | Labor Day | Am |
| Oct 14 | Columbus Day | Am |
| Nov 11 | Veterans Day | Am |
| Nov 28 | Thanksgiving Day | Am |
| Dec 25 | Christmas | Am |

6. ACCESS TO GOVERNMENT BUILDINGS AND STANDARDS OF CONDUCT

6.1 General. The Contractor shall designate a representative who shall supervise the Contractor's technicians and be the Contractor's liaison with the American Embassy in Kuala Lumpur. The Contractor's employees shall be on-site only for contractual duties and not for any other business or purpose. Contractor employees will be given access to the equipment and equipment areas and will be escorted by Embassy personnel.

6.2 Personnel Security. The Government reserves the right to deny access to U.S.-owned and U.S.-operated facilities to any individual. The Contractor shall provide the names, biographic data and police clearance on all Contractor personnel who to be used on this Contract prior to their utilization. Submission of information shall be made within 30 days of award of contract. **No technician will be allowed on site without prior authorization. Note: this may include cleared personnel if advance notice of visit is not given at least one week before the scheduled visit.**

6.2.1 Vehicles. Contractor vehicles will not be permitted inside the embassy compound without prior approval. If vehicle access is necessary, submit contractor vehicle information (Make, Model, License Plate #) along with a written justification as to why access is necessary. This shall be submitted to the Facility Manager at least one (1) week prior to the visit.

6.2.2 Government shall issue identity cards to Contractor personnel, after they are approved. Contractor personnel shall display identity card(s) on the uniform at all times while providing services under this contract. These identity cards are the property of the US Government. The Contractor is responsible for their return at the end of the contract, when an employee leaves Contractor service, or at the **request** of the Government. The Government reserves the right to deny access to U.S.-owned and U.S.-operated facilities to any individual.

Government shall issue identity cards to Contractor personnel, after they are approved. Contractor personnel shall display identity card(s) on the uniform at all times while providing services under this contract. These identity cards are the property of the US Government. The Contractor is responsible for their return at the end of the contract, when an employee leaves Contractor service, or at the request of the Government. The Government reserves the right to deny access to U.S.-owned and U.S.-operated facilities to any individual.

6.3 Security Clearances. All Work under this contract that are designated as non-CAA areas may be performed by un-cleared American or local workers. However, all work done in CAA and PCC areas shall be performed by cleared American Construction personnel as needed to complete the services. The Contractor shall work closely with the COR, the Post Facility Manager [FM] or the General Services Officer [GSO].

6.3.1 Security Clearances. Security clearances are not a requirement for performance on this contract, as there will be no access to classified information or areas.

6.3.2 The Contractor must comply with all of the following requirements relating to the protection of U.S. Embassy in [Insert Post] personnel, property and compound project information and cooperate fully in all security matters Sensitive But Unclassified (SBU) and information that may arise relating to this contract.

Contractor personnel may also be exposed to various documents and signs, including Post notices, event schedules, DoS regulations and conversations or announcements relating to the operation of the U. S. Embassy Kuala Lumpur and diplomatic personnel. This information should not be shared with anyone not employed by or falling under the protection of the Embassy.

Contractor personnel may be exposed to various documents, such as blueprints, drawings, sketches, notes, surveys, reports, photographs, and specifications, received or generated in conjunction with this contract. These documents contain information associated with diplomatic facilities for the U.S. Department of State. These documents have been marked with the handling designations "Unclassified" or "Sensitive But Unclassified" and US Government warnings against reproduction and distribution. These documents require special handling and dissemination restrictions. All handling designations and warnings on original documents must be reproduced on subsequent copies.

The loss, compromise, or suspected compromise or loss of any SBU information, contract related information (personnel files, payroll information, etc.), any post or diplomatic facility related information (documents, notes, drawings, sketches, surveys, reports, exposed film, negatives, or photographs), or ANY information which may adversely affect the security interests of the United States, must be immediately brought to the attention of the Contracting Officer (CO) and Contracting Officer's Representative (COR).

Photographs of any diplomatic overseas building or facility must be authorized in advance by the COR and Regional Security Officer (RSO), who will establish any controls, limits, and/or restrictions as necessary. Exposed film depicting any Controlled Access Area and/or sensitive equipment must be developed in a U.S.- controlled environment by appropriately cleared personnel. No further dissemination, publication, duplication, or other use beyond that which was requested and approved is authorized without specific, advance approval from DS. DS reserves the right to demand retention of all copies of said photographs and/or negatives, following fulfillment of the previously authorized usage.

Transmission of any information marked Sensitive But Unclassified (SBU) or contract/personnel sensitive information, via the Internet, is prohibited. SBU information can be transmitted via ProjNet, mail, FedEx (or other commercial carrier) or fax, or handcarried by authorized contractor personnel.

Discussion of U.S. Diplomatic post activities while not on post, to include in homes, hotel rooms, restaurants and all other public places, is prohibited. Any contact with host or third country nationals that seems suspicious (such as undue curiosity in the project or project personnel) shall be reported immediately to the COR and RSO.

The Contractor and its employees shall exercise utmost discretion in regard to all matters relating to their duties and functions. They shall not communicate to any person any information known to them by reason of their performance of services under this contract which has not been made public, except to the extent necessary to perform their required duties in the performance of the contract requirements or as provided by written authorization of the Contracting Officer. All documents and records (including photographs) generated during the performance of work under this contract shall be for sole use of and shall become the exclusive property of the U.S. Government. No article, book, pamphlet, recording, broadcast, speech, television appearance, film or photograph concerning any aspect of the work performed under this contract shall be published or disseminated through any media, to include company or personal websites, without the prior written authorization of the Contracting Officer. These obligations do not cease upon the expiration or termination of this contract or at any other point in time. The Contract shall include the substance of this provision in all subcontracts hereunder.

6.3.3 Security Clearances. All Work locations under this contractor that are designated as non-CAA areas may be performed by un-cleared American or local workers. However, all work done in CAA and PCC areas shall be performed by cleared American Construction personnel as needed to complete the services. The Contractor shall work closely with the COR, the Post Facility Manager (FM) or the General Services Officer (GSO).

6.4 Standards of Conduct

6.4.1 General. The Contractor shall maintain satisfactory standards of employee competency, conduct, cleanliness, appearance, and integrity and shall be responsible for taking such disciplinary action with respect to employees as may be necessary. Each Contractor employee shall adhere to standards of conduct that reflect credit on themselves, their employer, and the United States Government. The Government reserves the right to direct the Contractor to remove an employee from the worksite for failure to comply with the standards of conduct. The Contractor shall immediately replace such an employee to maintain continuity of services at no additional cost to the Government.

6.4.2 Neglect of Duties. Neglect of duties is unacceptable. This includes sleeping while on duty, unreasonable delays or failures to carry out assigned tasks, conducting personal affairs during duty hours and refusing to render assistance or cooperate in upholding the integrity of the worksite security.

6.4.3 Disorderly Conduct. The Contractor shall not condone disorderly conduct, use of abusive or offensive language, quarreling, and intimidation by words, actions, or fighting. Also included is participation in disruptive activities that interfere with normal and efficient Government operations.

6.4.4 Intoxicants and Narcotics. The Contractor shall not allow its employees while on duty to possess, sell, consume, or be under the influence of intoxicants, drugs or substances which produce similar effects.

6.4.5 Criminal Actions. Contractor employees may be subject to criminal actions as allowed by law in certain circumstances. These circumstances include but are not limited to the following actions: falsification or unlawful concealment, removal, mutilation, or destruction of any official documents or records or concealment of material facts by willful omission from official documents or records; unauthorized use of Government property, theft, vandalism, or immoral conduct; unethical or improper use of official authority or credentials; security violations; organizing or participating in gambling in any form; and misuse of weapons.

6.4.6 Key Control. The Contractor **will not** be issued any keys. The keys will be checked out by a "Cleared American" escort on the day of service requirements.

6.4.7 Notice to the Government of Labor Disputes. The Contractor shall inform the COR of any actual or potential labor dispute that is delaying or threatening to delay the timely performance of this contract.

7. SCHEDULED PREVENTIVE MAINTENANCE

7.1. General

7.1.1. The Contractor shall perform residential preventive maintenance as outlined in Exhibit A - STATEMENT OF WORK. The objective of scheduled preventive maintenance is to eliminate system malfunction, breakdown and deterioration when units are activated/running.

7.1.2. The Contractor shall inventory, supply and replace expendable parts (eg, filters, belts, hoses, gaskets) that have become worn due to wear and tear. The Contractor shall maintain a supply of expendable and common parts on site so that these are readily available for normal maintenance to include: hoses, belts, oil, chemicals, coolant, filters (Air, Fuel, Oil), grease, sealant, thermostat, fuses; in addition to the appropriate tools, testing equipment, safety shoes and apparel for technicians, personal protective equipment (hands, hearing, eye protection), MSDS, cleaning material and oil spill containment kits. The contractor shall inventory the supply after each visit and order replacement supplies and have them delivered on site. Maintenance materials shall be unused and are to be industry standard and intended for the task to be performed. Parts shall be OEM approved. Refrigerants shall meet the AHRI Standard 700-2015 or most recent AHRI Standards.

7.1.3. Exclusion. This contract does NOT include repair of equipment and replacement of hardware (e.g. bearings, pistons, piston rings, crankshaft, gears.) **Hardware replacements will be separately priced out by the Contractor for the Government's approval and acceptance.** The Government has the option to accept or reject the Contractor's quote for parts and reserves the right to obtain similar spare parts from other competitive sources. If required by the Government, the Contractor shall utilize Government-purchased spare parts, if awarded the work. Such repairs/replacements will be accomplished by a separate purchase order. However, this exclusion does not apply if the repair is to correct damage caused by Contractor negligence.

7.1.4. Replacement/repair of any electronic or electrical parts shall be approved by the COR prior to installation of the part. If the Contractor proceeds to replace any electronic or electrical parts without COR approval, the Contractor shall de-install the parts at no cost to the Government.

7.1.5. Stocking of recommended repair parts is at the discretion of the Facility Manager and is dependent upon the nearest location of the Equipment manufacturer, distributor or dealer. A

recommended spare parts list shall be obtained by the contractor from the manufacturer or distributor and provided to the Facility Manager to procure.

7.1.6. Parts/materials/tools procurement and delivery for the CAA/PCC areas shall be at the discretion of the Regional Security Officer (RSO).

7.2 Checklist Approval

The Contractor shall submit to the COR a schedule and description of residential preventive maintenance tasks which the Contractor plans to perform. The Contractor shall prepare this schedule and task description in a checklist format for the COR's approval prior to contract work commencement.

7.2.1. The Contractor shall provide trained technicians to perform the service at frequencies stated in Exhibit A and on the equipment called out in this SOW. The technician shall sign off on every item of the checklist and leave a copy of this signed checklist with the COR or the COR's designate after each maintenance visit.

7.2.2. It is the responsibility of the Contractor to perform all manufacturers' recommended residential preventive maintenance including preventive maintenance recommended by the manufacturers' technical manuals for the respective equipment.

7.2.3 Additionally, the maintenance contractor shall obtain and keep at the post O&M binders provided by the manufacturers. These binders shall be placed in a location accessible to post personnel to review as needed.

8. PERSONNEL, TOOLS, CONSUMABLE MATERIALS AND SUPPLIES

The Contractor shall provide trained technicians with the appropriate tools and testing equipment for scheduled maintenance, safety inspection, and safety testing as required by this Contract. The Contractor shall provide all of the necessary materials and supplies to maintain, service, inspect and test all the systems to be maintained.

8.1 Contractor furnished materials include but are not limited to appropriate tools, testing equipment, safety shoes and apparel for technicians, hands, hearing and eye protection, MSDS, cleaning material and oil spill containment kit. Expendable/consumable items (e.g. hoses, belts, oil, chemicals, coolant, filters (Air, Fuel, Oil), generator starting batteries, grease, sealant, thermostat, fuse), shall be maintained in the onsite inventory. See 7.1.2.

8.2 Repairs are not included in this contract. See 7.1.3. Exclusions.

8.3 Disposal of used oil, fuel, battery and other toxic substances. The Contractor is responsible for proper disposal of toxic/hazardous substances. All material shall be disposed of according to Government and Local law. After proper disposal the contractor must show proof of authorized disposal of these toxic/hazardous substances.

9. SOFTWARE, LICENSES AND PASSWORDS

Copies of any and all software and licenses needed to control or to adjust the communications module shall be given to the post upon completion of the work.

10. DELIVERABLES

Provide a written report in English to Post Facilities Engineer containing following:

- a) System information (make, model, all devices types)
- b) Pass/Fail of each feature and type of component tested. If a device fails, note device type, address and location.
- c) Any comments on system (or device) condition pertaining to service life and dependability.
- d) Full printout of test from system printer
- e) Testing of exhaust gas by Gas Analyzer

The following items shall be delivered under this contract:

| Description | QTY | Delivery Date | Deliver to |
|---|-----|--|------------|
| Names, biographic data, police clearance on Contractor personnel (#6.2) | 1 | 30 days after contract award | COR |
| Certificate of Insurance (#11.2) | 1 | 30 days after contract award | CO |
| PM Checklist signed by Contractor's employee (#7.2.1) | 1 | After completion of each maintenance service | COR |
| Invoice (#15) | 1 | After completion of each maintenance service | COR |

11. INSURANCE REQUIREMENTS

11.1 Personal Injury, Property Loss or Damage (Liability). The Contractor assumes absolute responsibility and liability for any and all personal injuries or death and property damage or losses suffered due to negligence of the Contractor's personnel in the performance of this Contract.

The Contractor's assumption of absolute liability is independent of any insurance policies.

11.2 Insurance. The Contractor, at its own expense, shall provide and maintain during the entire period of performance of this Contract, whatever insurance is legally necessary. The **Contractor shall carry the following minimum insurance:**

Public Liability Insurance

Property damage: \$ 150,000.00
Cumulative: \$ 150,000.00

Workers' Compensation and Employer's Liability

11.3 Worker's Compensation Insurance. The Contractor agrees to provide all employees with worker's compensation benefits as required under local laws (see FAR 52.228-4 "Worker's Compensation and War-Hazard Insurance Overseas").

12. LOCAL LAW REGISTRATION

If the local law or decree requires that one or both parties to the contract register the contract with the designated authorities to insure compliance with this law or decree, the entire burden of this registration shall rest upon the Contractor. Any local or other taxes which may be assessed against the Contract shall be payable by the Contractor without Government reimbursement.

13. QUALITY ASSURANCE PLAN (QAP).

13.1 Plan. This plan is designed to provide an effective surveillance method to promote effective Contractor performance. The QAP provides a method for the Contracting Officer's Representative (COR) to monitor Contractor performance, advise the Contractor of unsatisfactory performance, and notify the Contracting Officer of continued unsatisfactory performance. The Contractor, not the Government, is responsible for management and quality control to meet the terms of the Contract. The role of the Government is to conduct quality assurance to ensure that Contract standards are achieved.

| Performance Objective | SOW Para | Performance Threshold |
|---|-----------------------|---|
| <u>Services.</u> Performs all services set forth in the Statement of Work (SOW) | 1 thru 12 & Exhibit A | All required services are performed and no more than one (1) customer complaint is received per month |

13.2 Surveillance. The COR will receive and document all complaints from Government personnel regarding the services provided. If appropriate, the COR will send the complaints to the Contractor for corrective action.

13.3 Standard. The performance standard is that the Government receives no more than one (1) customer complaint per month. The COR shall notify the Contracting Officer of the complaints so that the Contracting Officer may take appropriate action to enforce the inspection clause (FAR 52.212-4, Contract Terms and Conditions-Commercial Items), if any of the services exceed the standard.

13.4. Procedures.

13.4.1 If any Government personnel observe unacceptable services, either incomplete work or required services not being performed, they will immediately contact the COR.

13.4.2 The COR will complete appropriate documentation to record the complaint.

13.4.3 If the COR determines the complaint is invalid, the COR will advise the complainant. The COR will retain the annotated copy of the written complaint for his/her files.

13.4.4 If the COR determines the complaint is valid, the COR will inform the Contractor and give the Contractor additional time to correct the defect, if additional time is available. The COR shall determine how much time is reasonable.

13.4.5 The COR shall, as a minimum, orally notify the Contractor of any valid complaints.

13.4.6 If the Contractor disagrees with the complaint after investigation of the site and challenges the validity of the complaint, the Contractor shall notify the COR. The COR will review the matter to determine the validity of the complaint.

13.4.7 The COR will consider complaints as resolved unless notified otherwise by the complainant.

13.4.8. Repeat customer complaints are not permitted for any services. If a repeat customer complaint is received for the same deficiency during the service period, the COR will contact the Contracting Officer for appropriate action under the Inspection clause.

14. TRANSITIONS/CONTACTS

Within 30 days after contract award, the Contracting Officer may ask the contractor to develop a plan for preparing the contractor to assume all responsibilities for preventive maintenance services. The plan shall establish the projected period for completion of all clearances of contractor personnel, and the projected start date for performance of all services required under this contract. The plan shall assign priority to the selection of all supervisors to be used under the contract.

14.1. On site contact. The following are the designated contact personnel between the US Embassy and the Contractor.

14.2. The COR is responsible for inspection and acceptance of services. These duties include review of Contractor invoices, including the supporting documentation required by the contract. The COR may provide technical advice, substantive guidance, inspections, invoice approval, and other purposes as deemed necessary under the contract. The COR may not change the terms and conditions of the contract.

The Contracting Officer's Representative for this action is: **Facility Engineer**

15. SUBMISSION OF INVOICES

The Contractor shall submit an invoice after each preventive maintenance service has been performed. Invoices must be accompanied by a signed copy of the Maintenance Checklist for the work performed including parts replacement and break down calls, if any. No invoice for preventive maintenance services will be considered for payment unless accompanied by the relevant documentation.

The Contractor should expect payment 30 days after completion of service or 30 days after receipt of invoice at the Embassy's payment office, whichever is later. Invoices shall be sent to:

***Financial Management Office,
U.S Embassy Kuala Lumpur
376, Jalan Tun Razak,
50400 Kuala Lumpur***

EXHIBIT A

Statement of Work

I. GENERAL INFORMATION:

The United States Embassy in Kuala Lumpur requires professional services and contractor cost proposals to perform residential preventive maintenance services of Split Unit Air-Conditioning.

II. PROJECT REQUIREMENTS:

DESCRIPTION OF EQUIPMENT *:

**Please see attachment at the end of this sheet for more details*

III. GENERAL REQUIREMENTS:

The Contractor under this SOW shall be responsible for labor, tools, and materials required to carry out all preventive maintenance as outlined in this SOW. The Government has the following manuals:

[All O&M manuals will be provided to the Contractor upon award of this contract]

IV. SCOPE OF WORK - - SPLIT UNIT AIR-CONDITIONING MAINTENANCE

Contractor shall provide all materials, supervision, labor, tools and equipment to perform residential preventive maintenance. All personnel working in the vicinity shall wear and /or use safety protection while all work is performed. Any questions or injuries **shall** be brought to the attention of the Post Occupation Safety and Health Officer (POSHO) immediately. Material Safety Data Sheets (MSDS) shall be provided by the Contractor for all HAZMAT materials. Copies shall be provided to the COR for approval.

If any discrepancies are found with the Split Unit Air-Conditioning that are not covered under this scope of work the contractor shall provide the following:

1. Detailed report noting the discrepancy found.
2. Bill of Materials (BOM) to include component name, quantity, part #, and price for any repair material required and material lead time.
3. Price quote for repair labor.

SAFETY AND SPECIAL INSTRUCTIONS:

1. Follow site safety procedures and supervisor's instructions.
2. Schedule outage with operating personnel.
3. Use extreme caution when climbing access ladders.
4. Perform applicable lockout/tag out steps of site safety procedures.
5. Lockout and disconnect the main power before tightening the main supply lugs in order to avoid the hazard of electrical shock, which could result in serious personal injury or death.
6. Record and report equipment damage or deficiencies noticed during the servicing works.
7. Review and follow the manufacturer's O&M instructions.
8. Allow only qualified personnel to do maintenance work on this equipment.

9. Record results in the equipment history log.
10. Allow only qualified personnel to do maintenance work on this equipment as per manufacturer's specifications.,
11. Contractor will be fully responsible on the safety of their workers during any work performed in US Embassy Kuala Lumpur properties.

RESIDENTIAL SPLIT UNIT AIR- CONDITIONING

MAINTENANCE PROCEDURES:

Quarterly

1. Check and clean air filters with sponge, soap and water. Report to COR if filter is in poor condition and due for replacement.
2. Check and clean condensation drain pans and piping for easy water flow and free from obstacles or jelly. Flush condensation pipe with high pressure compressed air or nitrogen quarterly. Where applicable, replace anti clog tablets in drain pans quarterly as per suppliers recommendation. Contractor to supply and replace anti clog tablets.
3. Contractor to provide a service checklist to the COR.
4. Check and secure unit wiring in all terminal connection for tightness.
5. Chemical wash, clean and flush of cooling coils as recommended by manufacturer's handbook. Contractor will submit brand/made of cleaning chemical and chemical substance for COR's approval. Contractor will supply all necessary chemicals for cleaning and washing. Only environment friendly green certified products can be used for servicing. Contractor shall send sample(s) of cleaning chemical to COR for approval prior application.
6. Inspect and clean evaporator and condenser coils for dirt and debris. Check refrigerant pressure with pressure gauge on the entire unit. Ensure that there is no leak in the refrigerant piping system and the gas pressure is sufficient for the unit as per the manufacturer's recommended pressure.
7. Inspect entire unit with full operation for any noise and vibration, loose access panel or any operation abnormalities. Inform the COR prior to replacing any worn out and faulty parts as recommended in the manufacturer's handbook.
8. Note down uncorrected abnormalities observed during the servicing on the service chit. Report via email or letter to COR within 5 working days.
9. Contractor will not replace parts without the approval from COR. A quote must be submitted and approved prior to replacement of any worn out or faulty parts noticed during servicing. Failure to do so will result in non-reimbursable cost to the contractor.
10. Contractor shall be able to respond to emergency when call by COR. Repair technicians shall arrive at American Embassy within one (1) hour.

Annually

The Contractor shall perform general overhaul of the unit according to include the services outlined in the quarterly servicing as well as manufacture suggested maintenance procedure to include but not limited to the following scopes:

1. Dismantle indoor and outdoors units for thorough chemical cleaning.
2. Chemically clean and water rinse evaporator coil, blower fan wheel and blades of the indoor units.
3. Chemical cleaning of the coil and water rinse with approved foaming coil cleaner for the outdoor units.
4. Mist coat spray on evaporator approved Chlorine Dioxide spray.
5. Chemical cleaning and rinse condensing coil with water.

Exhibit B – Residential Split Units Equipment List

US Embassy Kuala Lumpur

Residential Split Units Equipment List

| No | Resident Name | Total Split Unit Quantity | Split Unit List |
|----|-------------------------|---|--|
| 1 | 9 Langgak Golf | 17 nos wall mounted 8 nos ceiling cassette | PANASONIC (1hp x 2 / 1.5hp x 2 / 2hp x 5) DAIKIN (1.5hp x 1 / 4hp x 5 / 10hp x 1) ACSON (1hp x 4) YORK (1hp x 2 / 1.5hp x 1) CARRIER (3hp x 2) |
| 2 | 1 Taman Uthant 2 | 7 nos wall mounted 9 nos ceiling cassette | PANASONIC (1.5hp x 1 / 2hp x 3) DAIKIN (1hp x 1) NATIONAL (1.5hp x 3) ACSON (2hp x 1 / 2.5hp x 3) YORK (2hp x 1 / 2.5hp x 4) |
| 3 | 4 Uthant Club House | 13 nos wall mounted | PANASONIC (1hp x 1 / 1.5hp x 3 / 2hp x 3) DAIKIN (2hp x 6) |
| 4 | MSGQ | 13 nos wall mounted 1 nos ceiling cassette 3 nos of ceiling exposed | PANASONIC (1hp x 4 / 1.5hp x 4) NATIONAL (1.5hp x 3 / 2hp x 1) YORK (1hp x 1 / 3hp x 3 / 8hp x 1) |
| 5 | 8 Gerbang Ampang Hilir | 11 nos wall mounted | YORK (1.5hp x 3) PANASONIC (1.5hp x 2 / 2hp x 6) |
| 6 | 10 Gerbang Ampang Hilir | 8 nos wall mounted | PANASONIC (1hp x 1 / 1.5hp x 4 / 2hp x 2 / 2.5hp x 1) |
| 7 | 9A Clover Close | 7 nos wall mounted | YORK (1.5hp x 2) PANASONIC (1hp x 1 / 1.5hp x 1 / 2hp x 3) |
| 8 | 9B Clover Close | 7 nos wall mounted | PANASONIC (1hp x 2 / 1.5hp x 3 / 2hp x 2) |
| 9 | 9C Clover Close | 7 nos wall mounted | PANASONIC (1.5hp x 5 / 2hp x 2) |
| 10 | 9D Clover Close | 7 nos wall mounted | PANASONIC (1.5hp x 5 / 2hp x 2) |
| 11 | Selayang Warehouse | 5 nos wall mounted | PANASONIC (2hp x 5) |